





DELTA ISSUE 2 HIGH POWER LED PROJECTORS

P.6

DELTA 10 RGBW F DELTA 10 RGBW F ZOOM DELTA 8 FULL COLOUR R
DELTA 8 FULL COLOUR B
DELTA 8 FULL COLOUR B HEAD
DELTA 8 FULL COLOUR S

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DELTA 8 RGB R
DELTA 8 RGB B
DELTA 8 RGB B HEAD
DELTA 8 RGB S

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DELTA 8 WHITE R
DELTA 8 WHITE B
DELTA 8 WHITE B HEAD
DELTA 8 WHITE S



OVERVIEW

DELTA is a complete line of projectors featuring LED technology, suitable for lighting and colouring large surfaces. DELTA models are ideal for use both indoors (shopping malls, libraries, museums, homes, hotels, clubs, etc.) and outdoors (buildings, monuments, public spaces, resorts, theme parks, etc.). DELTA line is a modern alternative to conventional light sources, offering a totally new approach to architectural lighting in terms of light quality, energy savings and component duration.

ENERGY SAVING

DELTA models have been designed with the greatest possible attention to energy saving. The power consumption of the built-in LED's is lower than that of normal light sources, and is proportional to the luminous intensity emitted. The LED's generate extremely saturated colours with no need for additional filters, and this ensures a higher yield of W/Lumen. DELTA models don't emit infrared or ultraviolet radiation. The LED's contain no moving components or filaments that can break or burn out. This use of solid-state technology allied with the extreme robustness of the entire projector assembly allows DELTA models to be used in applications calling for levels of reliability and durability that are impossible to achieve with traditional projectors. The effective lifespan of the LED's is also far greater than that of any other

conventional light source, (about 100,000 hours in normal operating conditions), and the quality of light emission remains constant over time, with a drastic reduction in installation operation and maintenance costs. DELTA models run with a full-range 90-260 V AC/50-60 Hz electronic power supply, guaranteeing reliable operation even in case of voltage drops.

PROGRAMMING AND NETWORKING

DELTA models' functions can be programmed and memorized in a sequence of events (different light intensities, up to 16 million different colours, special effects, etc), which can then be reproduced in a predetermined order over an entire week. The reproduction of memorized events is completely automated, and fully respects with total precision the start, duration and end of every event, second by second, for up to seven days. Ample networks of interconnected projectors can be created, with up to 32 units for each network. DELTA units can also be remote-controlled using the USITT DMX 512 standard digital communication protocol.

PROTECTION

DELTA models are constructed in corrosion proof aluminium and steel, and are coated with a thick coat of epoxy paint resistant to atmospheric agents. DELTA units guarantee an IP65 or IP20 level of protection (depending

on the hardware configurations) against infiltrations of solids and liquids, allowing them to be used safely either indoors or in any outdoor weather conditions.

HARDWARE CONFIGURATIONS

DELTA models are available in various hardware configurations that allow them to be used in a range of applications: **DELTA R**: movement of the light body on 3 axes (320° horizontal / 160° vertical 1 / 135° vertical 2); motorized movement on horizontal and vertical 1 axes. Horizontal or vertical installation, for fixing to floor, ceiling or any other supports using dedicated accessories. **DELTA F**: manual movement of the head. **DELTA B**: light body detachable from base. **DELTA B HEAD**: light body only; complete with adjustable bracket for fitting on walls or other supports. Supplied and controlled by the dedicated Z40 rack mountable unit; each Z40 can supply 4 DELTA B HEADs. **DELTA S**: light body with tilting movement, for inset ceiling installation.

DELTA 10 RGBW F



DELTA 10 RGBW F / DELTA 10 RGBW F ZOOM

DELTA 10 RGBW F is the brightest LED colour changer in its category (over 8.300 Lux at 5 m). The unit is available either with five interchangeable optical units (12° / 25° / 45° / 15° x 45° / asymmetrical) offering different light beam projection angles, or with a 13,5° - 40° motorized linear zoom (DELTA 10 RGBW F ZOOM). DELTA 10 RGBW F light source is composed of 240 LEDs (60 Red. 60 Green, 60 Blue, 60 White) with 19.500 total lumens. The LEDs even distribution pattern featuring the same quantity of red, green, blue and white LEDs quarantees high mixing quality for RGBW colours and a uniform projection on surfaces, no matter what colour is used. The DELTA 10 RGBW F can generate 16 million colours; colour temperature can be varied from 2800°K to 6500°K. The unit is also available as DELTA 10 CT F (180 white + 60 amber LEDs - 2000°K-6500°K colour temperature); also available on demand in RGBA version. DELTA 10 RGBW F offers an IP65 protection rating (IP20 in the DELTA 10 RGBW F ZOOM version), making it suitable for a vast variety of uses, either outdoor or indoor. The unit has an electronic full-range AC 90-260 V, 50-60 Hz power supply, and therefore ensures reliable operation even in the case of voltage drops. DELTA 10 RGBW F can be used without external consoles, in chains of colour changers of up to 32 units. DELTA 10 RGBW F offers a range of exclusive functions, including: * Three different colour mixing modes: RGBW, CMY, HSV. * Possibility of memorizing a personalized white either from the menu or via DMX. The DELTA 10 RGBW F can operate in vertical, horizontal or inverted positions, and can be positioned on the floor or ground, or fitted to trusses.

FINISHES

Black

TECHNICAL SPECIFICATIONS

LED technology

240 x LEDs (60 Red, 60 Green, 60 Blue, 60 White); 19.500 Lumens Also available as DELTA 10 CT F (180 white + 60 amber LEDs - 2000°K-6500°K colour temperature) Also available on demand in RGBA version

Optical group DELTA 10 RGBW F

Over 8.300 Lux at 5 m (12°) Five interchangeable lenses sets available: spot (12°), medium flood (25°), wide flood (45°), elliptical (15° x 45°) and asymmetrical 8 additional holographic filters (optional, user interchangeable): 10°/20°/30°/40°/60°/80°/60° x 10°/75° x 45°

DELTA 10 RGBW F ZOOM

6.200 Lux at 5 m (13,5°)
Motorized linear zoom 13,5°40° with high efficiency optic
system

Colour generation

16 million colours 3 colour mixing modes: RGBW / CMY / HSV Variable linear colour temperature (2800°K - 6500°K) Dedicated DMX channel for custom whites

Interface / Control / Programming

Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters
Controlled via DMX 512 standard digital communication protocol
Wireless ready
Ethernet ready
Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX

12 DMX channels (DELTA 10 RGBW F ZOOM); 10 DMX channels (DELTA 10 RGBW F)

Extra features

Twilight sensor for switching the unit on and off automatically, according to external light intensity
Playback of a pre-programmed sequence of events over an entire week

Protection

IP65 (DELTA 10 RGBW F) IP20 (DELTA 10 RGBW F ZOOM)

Power supply

Full-range AC 90-260 V 50/60 Hz Power consumption: * 90 V - 5,3 A - 480 W * 120 V - 4 A - 480 W

* 230 V - 2.1 A - 480 W

* 260 V - 1,85 A - 480 W

Connectors

2 XLR connectors (5-pole In and Out) by Neutrik; Power supply: POWERCONN connector by Neutrik Operating ambient temperature -10° / 40°

Weight

18 Kg

International certifications Certification CE; LED Class: Class 2 LED product



Linz Cathedral, Austria

DELTA 10 RGBW F



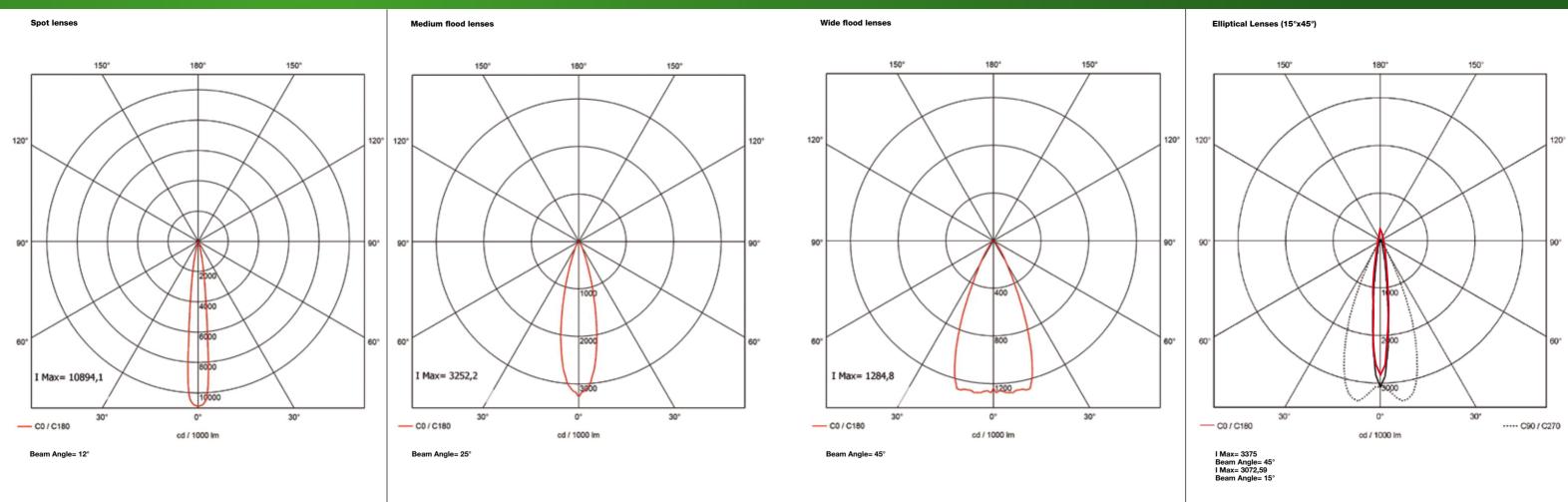
LEDS	IP RATE	LENSES	POWER SUPPLY	CODE
RGBW	IP65	SPOT	INTEGRATED	03.LDF004.T12
RGBW	IP65	MEDIUM	INTEGRATED	03.LDF004.T25
RGBW	IP65	WIDE	INTEGRATED	03.LDF004.T45



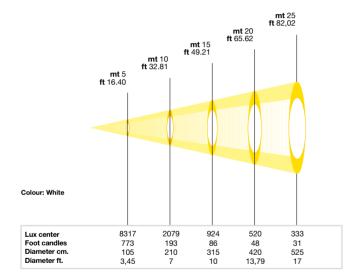
LEDS	IP RATE	LENSES	POWER SUPPLY	CODE
GBW	IP20	ZOOM	INTEGRATED	03.LDF003.T

	ACCESSORIES	
	DESCRIPTION	CODE
Lenses (DELTA 10 RGBW F)	Lenses set Medium flood	03.LK.064
	Lenses set Wide flood	03.LK.065
	Lenses set Elliptical	03.LK.063
Holographic filters (DELTA 10 RGBW F)	Holographic filter 10°	0506A042
	Holographic filter 20°	0506A043
	Holographic filter 30°	0506A044
	Holographic filter 40°	0506A045
	Holographic filter 60°	0506A046
	Holographic filter 80°	0506A047
	Holographic filter 60° x 10°	0506A048
	Holographic filter 75° x 45°	0506A049
	Holographic filter fixing kit	03.LA.116
Flight cases	Double professional flight case, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles	0521C047.1
	Double flight case, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles	0521C047
DMX cables	DMX cable	0509C039

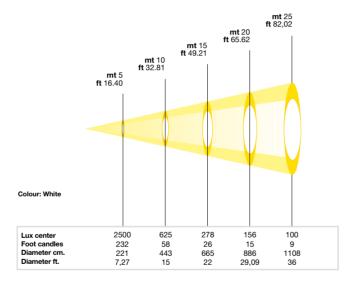
	ACCESSORIES	
	DESCRIPTION	CODE
Wireless DMX cards	Wireless DMX Receiver Card with 0508A033 - INDOOR IP20 2-dBi antenna included	03.LA.012
Interfaces	RED BOX software update interface	03.LA.008
Clamps / safety wires	"C" Clamp G60 black (max. load 50Kg)	0521A004
	"C" Clamp G60 chrome (max. load. 50Kg)	0521A004.20
	"C" Clamp GQUICK with "Fast Lock" connection 1/4 turn (max. load. 80Kg)	0521A014
	"C" Clamp G100 black / professional (max. load. 200Kg)	0521A015
	Omega clamp with "Fast Lock" connection 1/4 turn (2 pieces)	02K00467
	Safety wire (3mm x 60 cm), ring spring catch, max. capacity load 60 Kg	0521A010
Barndoors	Barndoor for DELTA, metal black	03.LA.057



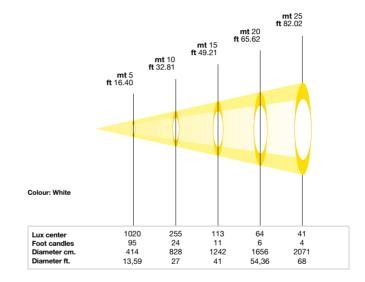
Spot lenses



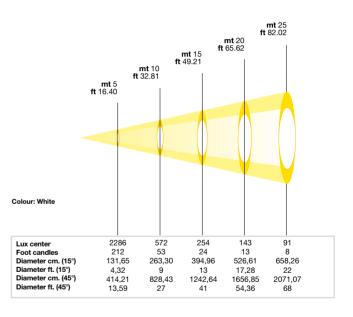
Medium flood lenses



Wide flood lenses

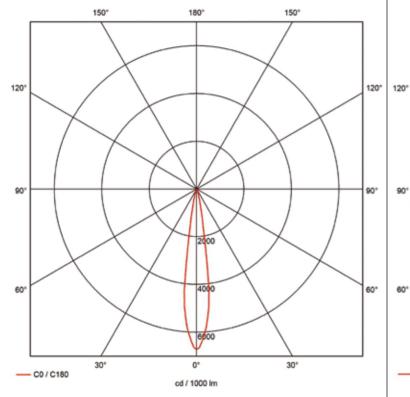


Elliptical Lenses (15°x45°)



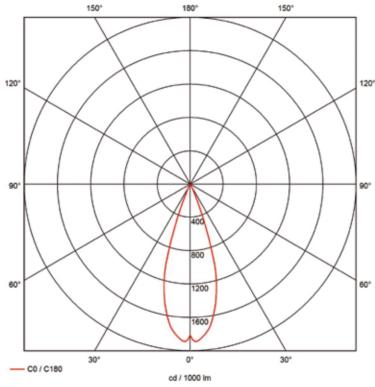
DELTA 10 RGBW F ZOOM



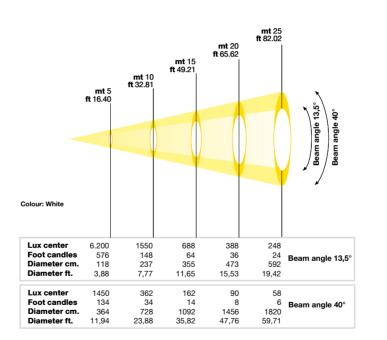


Beam Angle= 13,5°

Beam angle 40°



Beam Angle= 40°



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DELTA 8 FULL COLOUR



DELTA 8 FULL COLOUR

The **DELTA 8 FULL COLOUR** is a colour changer with LED technology, available in four models: **DELTA 8 FULL COLOUR R**: motorized movement of the light body on horizontal and vertical axes. **DELTA 8 FULL COLOUR B**: light body detachable from base (max distance 100m). **DELTA 8 FULL COLOUR B HEAD**: light body only, complete with adjustable bracket. **DELTA 8 FULL COLOUR S**: light body with tilting movement, for inset ceiling installation. **DELTA 8 FULL COLOUR light** source is composed of 36 Full Colour LEDs: luminous flux is 5.400 Lumens: luminosity is 1.400 Lux at 5 m.

The Full Colour LED's guarantee high-quality colour mixing (significantly superior to conventional light sources and other systems using normal LED's). Colour synthesis takes place in fact inside every single LED, capable of independently generating up to 16 million colours. The DELTA 8 FULL COLOUR light source is able therefore to project a perfectly uniform beam of light onto surfaces, no matter what colour is used, and illuminated objects are not only evenly lit, but also do not generate false coloured shadows. Three different types of colour synthesis are possible: RGB, CMY and HSV. Colour temperature can also be regulated with linear variations between 2800°K and 6500°K, passing progressively from warmer tones to cooler ones. It is possible to save and recall different personalized whites. Four interchangeable lens fittings are available for each model: Spot, Medium Flood, Wide Flood and Very Wide Flood. These four lenses offer different aperture angles for the light beam, allowing DELTA 8 FULL COLOUR models to be used at varying distances from the surfaces to be coloured.

FINISHES

White

Black

TECHNICAL SPECIFICATIONS

LED technology

36 Full Color LEDs; Luminous flux: 5.400 Lumens Luminosity at 5 m: 1.400 Lux LEDs average lifespan: 100.000 hours RGB colour generation (16 million colours) 3 different colour mixing modes: RGB,CMY,HSV Colour temperature variable on a linear range (2800°K ÷ 6500°K) No infrared emission; no ultraviolet emission

Optical units

4 different lenses sets that can be interchanged by users are available (Spot. Medium flood. Wide flood, Very wide flood)

User interface

(DELTA 8 FULL COLOUR R) Colour OLED display; infrared remote control (DELTA 8 FULL COLOUR B/B HEAD/S) LED display

Independent operation

Fully programmable via built-in user interface Master or Slave capability (chains of up to 32 interconnected units) Programmable automated playback (7-day schedule) (DELTA 8 FULL COLOUR R)

Remote control

wireless USITT DMX 512 serial digital protocol (reception / transmission) 15 DMX channels (DELTA 8 FULL COLOUR R) 9 DMX channels (DELTA 8 FULL

COLOUR B/B HEAD/S)

Protection

IP65 protection level (R/B/B HEAD versions) IP20 protection level (S version)

Head movements Remotely controlled by cable or (horizontal / vertical

axes)

DELTA 8 FULL COLOUR R: Motorized movement of the head on 2 axes (320° horizontal /160° vertical) DELTA 8 FULL COLOUR B: manual movement of the head DELTA 8 FULL COLOUR B HEAD: adjustable bracket DELTA S: tilting movement (+/- 13°)

Power supply

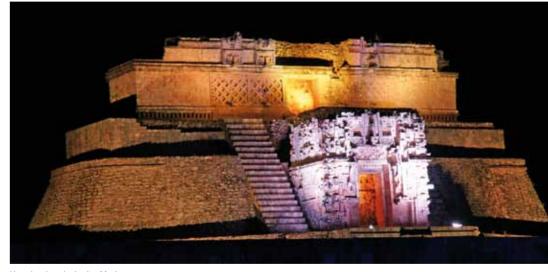
Full range AC 90-260V, 50-60Hz power supply Power consumption: *90 V - 2.44 A - 220 W * 120 V - 1,83 A - 220 W * 230 V - 0.95 A - 220 W * 260 V - 0.85 A - 220 W Z40 power supply / control for four DELTA FULL COLOUR B HEADs; rack mountable (2 U)

Thermal

Operating ambient temperature -10°/40°

Weight

24 Kg (DELTA 8 FULL COLOUR R) 18 Kg (DELTA 8 FULL COLOUR B) 9 Kg (DELTA 8 FULL COLOUR B HEAD) 14.5 Kg (DELTA 8 FULL COLOUR S)



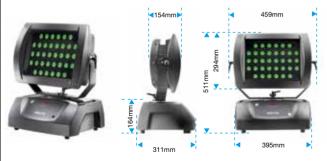
Uxmal archaeologic site, Mexico

DELTA 8 FULL COLOUR

DELTA 8 FULL COLOR R 459mm 459mm 395mm

	LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
-		7		INTEGRATED	03.LDR007.03.F08
	FULL COLOUR	/IP65	SPOT	INTEGRATED	03.LDR007.F08
		7		INTEGRATED	03.LDR007.03.F25
	FULL COLOUR	/IP65	MEDIUM	INTEGRATED	03.LDR007.F25
_		ببب		INTEGRATED I	03.LDR007.03.F40
	FULL COLOUR	/IP65	WIDE	INTEGRATED	03.LDR007.F40
		<u>بر ر</u>		INTEGRATED I	03.LDR007.03.FVW
	FULL COLOUR	/IP65	VERY WIDE	INTEGRATED	03.LDR007.FVW

DELTA 8 FULL COLOR B



	LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
	ELILL A COLOUR	7		INTEGRATED	03.LDB130.03.F08
L	FULL COLOUR	IP65	SPOT	INTEGRIXIES	03.LDB130.F08
r	FULL COLOUR	<u></u>		INTEGRATED	03.LDB130.03.F25
1	FULL COLOUR	P65	MEDIUM	III Zana Za	03.LDB130.F25
	EUL 1 001 0110	<u></u>		INTEGRATED	03.LDB130.03.F40
	FULL COLOUR	/IP65	WIDE	INTEGRALED	03.LDB130.F40
	EUL 1 001 0110	<u></u>		INTEGRATED	03.LDB130.03.FVW
	FULL COLOUR	/IP65	VERY WIDE	INTEGNATED	03.LDB130.FVW

DELTA 8 FULL COLOR B HEAD



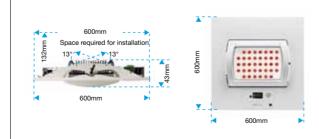
	LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
	FIII 1	7		EXTERNAL	03.LDB131.03.F08
	FULL COLOUR	/IP65	SPOT	EXIERNAL	03.LDB131.F08
		بب_		03.LDB131.03.F25	
	FULL COLOUR	IP65	MEDIUM	EXTERNAL	03.LDB131.F25
		<u></u>		EXTERNAL	03.LDB131.03.F40
	FULL COLOUR	IP65	WIDE	EXIERNAL	03.LDB131.F40
Ī		<u></u>		=V===11.1	03.LDB131.03.FVW
	FULL COLOUR	IP65	VERY WIDE	03.LDB131.FVW	
			•		

Z40



	FINISH / CODE
Z40 Power Supply / LED Controller for 4 DELTA B HEAD units	03.LA.120

DELTA 8 FULL COLOR S



LEDS	IP RATE	LENSES	POWER SUPPLY	CODE
COLOUR	IP20	SPOT	INTEGRATED	03.LDS007.03.F08
COLOUR	IP20	MEDIUM	INTEGRATED	03.LDS007.03.F25
ULL COLOUR	IP20	WIDE	INTEGRATED	03.LDS007.03.F40
ULL COLOUR	IP20	VERY WIDE	INTEGRATED	03.LDS007.03.FVW

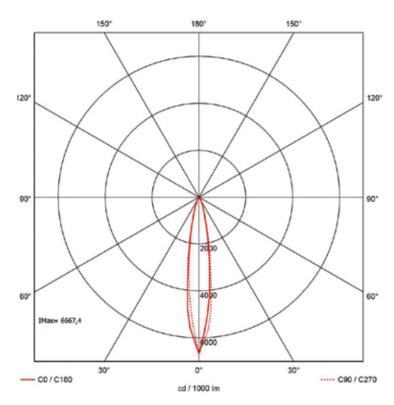
	ACCESSORIES	
	DESCRIPTION	CODE
Extension cables with connectors for	Extension Cable with M/F M16 9-pole connectors, 5 m	03.LA.121.05
DELTA 8 FULL COLOUR B	Extension Cable with M/F M16 9-pole connectors, 10 m	03.LA.121.10
	Extension Cable with M/F M16 9-pole connectors, 20 m	03.LA.121.20
	Extension Cable with M/F M16 9-pole connectors, 30 m	03.LA.121.30
	Extension Cable with M/F M16 9-pole connectors, 50 m	03.LA.121.50
	Cable for DELTA B, 9xAWG22	0509C085
	9-pin M16 IP67 connector for Delta B, Male	0508B105
	9-pin M16 IP67 connector for Delta B, Female	0508B106
Lenses sets	Lenses set Spot	03.LK098
	Lenses set Medium flood	03.LK.099
	Lenses set Wide flood	03.LK.100
	Reflector Very wide flood	03.LK.011
Flight cases	Flight-case for 1 DELTA	0521C029
	Flight-case with wheels for 2 DELTA	0521C030
DMX cables	DMX cable	0509C039

	ACCESSORIES	
	DESCRIPTION	CODE
Safety wires / fixed installation sets	Safety wire (3mm x 60 cm); ring spring catch; max. load 60Kg	0521A010
	Set for fixed installation on ground or wall	03.LK.007
Clamps	"C" clamp G60 black; max. load 50Kg	0521A004
	"C" clamp G60 chrome; max. load 50Kg	0521A004.20
	"C" clamp GQUICK with "Fast Lock" connection 1/4 turn; max. load 80Kg	0521A014
	Professional "C" Clamp G100 black; max. load. 200Kg	0521A015
	OMEGA Clamp with "Fast Lock" connection 1/4 turn; adaptor for any clamp	02K00467.1
Power supply for DELTA 8 FULL COLOUR B HEAD	Z40 power supply / control unit for four DELTA 8 FULL COLOUR B HEAD; rack mountable - 2U	03.LA.120
IR remote controls / Wireless DMX	IR remote control	0514L008
receiver cards / software upgrade interfaces	Wireless DMX receiver card for DELTA range	03.LA.012
interraces	Outdoor IP65 2-dBi antenna: omnidirectional, radiation (HxV) 360°x360°, distance: 500 mt. approx.	0508A040
	RED BOX software upgrade interface	03.LA.008
Barndoors	Barndoor for DELTA, metal black	03.LA.057

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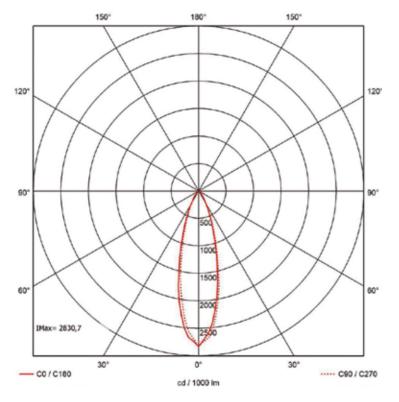
DELTA 8 FULL COLOUR

Spot lenses



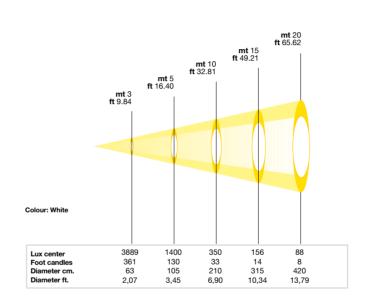
Beam Angle= 15,4°

Wide flood lenses

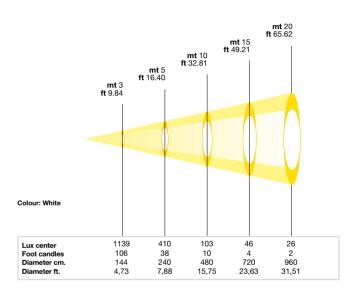


Beam Angle= 27,2°

Spot lenses



Wide flood lenses





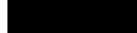
The DELTA 8 RGB is a colour changer with LED technology, available in four models: **DELTA 8 RGB R**: motorized movement of the light body on horizontal and vertical axes. **DELTA 8 RGB B**: light body detachable from base (max distance 100m). **DELTA 8 RGB B HEAD**: light body only, complete with adjustable bracket. **DELTA 8 RGB S**: light body with tilting movement, for inset ceiling installation. DELTA 8 RGB light source is composed of 108 P4 LEDs; luminous flux is10.050 Lumens; luminosity is 4.446 Lux at 5 m.

The LEDs even distribution pattern featuring the same quantity of red, green and blue LEDs guarantees high mixing quality for RGB colours and a uniform projection on surfaces, no matter what colour is used. Three different types of colour synthesis are possible: RGB, CMY and HSV; up to 16 million colours can be generated. Colour temperature can be varied over a linear range from 2800°K to 6500°K, passing progressively from warmer tones to cooler ones. It is also possible to save and recall different personalized whites. Four interchangeable lens fittings are available for each model: Spot, Medium Flood, Wide Flood and Very Wide Flood. These four lenses offer different aperture angles for the light beam, allowing DELTA RGB to be used at varying distances from the surfaces to be coloured.

FINISHES

\ A /I= :

Whi



Black

TECHNICAL SPECIFICATIONS

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LED technology

108 x P4 type RGB LEDs
Luminous flux: 10.050 Lumens
Luminosity at 5 m: 4.446 Lux
LEDs average lifespan:
100.000 hours
RGB colour generation
(16 million colours)
3 different colour mixing modes:
RGB, CMY, HSV
Colour temperature variable on
a linear range (2800°K ÷ 6500°K)
No infrared emission; no
ultraviolet emission

Optical units

4 different lenses sets that can be interchanged by users are available (Spot, Medium flood, Wide flood, Very wide flood)

User interface DELTA 8 RGB R

Colour OLED display; infrared remote control **DELTA 8 RGB B / B HEAD / S**LED display

Independent operation

Fully programmable via built-in user interface
Master or Slave capability
(chains of up to 32
interconnected units)
Programmable automated
playback (7-day schedule)
(DELTA 7 RGB R)

Remote control

Remotely controlled by cable or wireless USITT DMX 512 serial digital protocol (reception / transmission) 15 DMX channels (DELTA 7 RGB R) 9 DMX channels (DELTA 8 RGB B / B HEAD / S)

Protection

IP65 protection level (R/B/B HEAD versions) IP20 protection level (S version)

Head movements (horizontal / vertical axes) DELTA 8 RGB R: Motorized

movement of the head on 2 axes (320° horizontal /160° vertical).

DELTA 8 RGB B: manual movement of the head DELTA 8 RGB B HEAD: adjustable bracket

DELTA 8 RGB S: tilting movement (+/- 13°)

Power supply

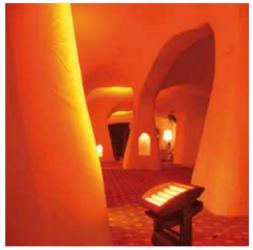
Full range AC 90-260V, 50-60Hz power supply Power consumption: * 90 V - 2,1 A - 190 W * 120 V - 1,58 A - 190 W * 230 V - 0,83 A - 190 W * 260 V - 0,73 A - 190 W Z40 power supply / control for four DELTA 8 RGB B HEADs; rack mountable (2 U)

Thermal

Operating ambient temperature -10° / 40°

Weight

24 Kg (DELTA 8 RGB R) 18 Kg (DELTA 8 RGB B) 9 Kg (DELTA 8 RGB B HEAD) 14,5 Kg (DELTA 8 RGB S)



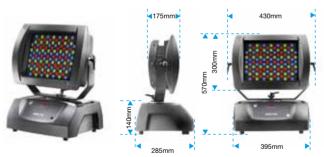






LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
R G B	بيب_ ا		INTEGRATED	03.LDR007.03.T08
	7IP65	SPOT	INTEGRIALES	03.LDR007.T08
R G B	بب		INTEGRATED	03.LDR007.03.T25
R G B	7IP65	MEDIUM	INTEGRALED	03.LDR007.T25
	بېر_		INTEGRATED	03.LDR007.03.T40
RGB	7IP65	WIDE	INTEGRALED	03.LDR007.T40
	ببب		INTEGRATED I	03.LDR007.03.TVW
R G B	7IP65	VERY WIDE	INTEGRATED	03.LDR007.TVW

DELTA 8 RGB B



LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
R G B	بيب		INTEGRATED	03.LDB130.03.T08
	/IP65	SPOT	INTEGRIATES	03.LDB130.T08
R G B	بيب		INTEGRATED	03.LDB130.03.T25
	P65	MEDIUM	INTEGRALED	03.LDB130.T25
RGB	بيبير_		INTEGRATED	03.LDB130.03.T40
R G B	P65	WIDE	INTEGRALED	03.LDB130.T40
R G B	ببب		INTEGRATED	03.LDB131.03.TVW
	/IP65	VERY WIDE	INTEGRALED	03.LDB131.TVW

DELTA 8 RGB B HEAD



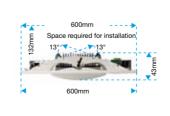
	LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
	R G B	بب		=======	03.LDB131.03.T08
		7IP65	SPOT	EXTERNAL	03.LDB131.T08
	R G B	IP65			03.LDB131.03.T25
			MEDIUM	EXTERNAL	03.LDB131.T25
	R G B	بب		=V===	03.LDB131.03.T40
	R G B	7IP65	WIDE	EXTERNAL	03.LDB131.T40
	RGB	بب		EXTERNAL	03.LDB131.03.TVW
		7IP65	VERY WIDE	EXIERNAL	03.LDB131.TVW

Z40



	FINISH / CODE
Z40 Power Supply / LED Controller for 4 DELTA B HEAD units	03.LA.120

DELTA 8 RGB S





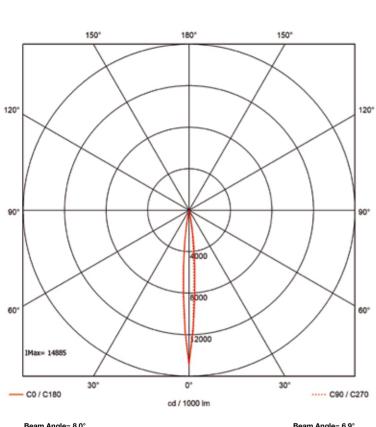
LEDS	IP RATE	LENSES	POWER SUPPLY	CODE
R G B	IP20	SPOT	INTEGRATED	03.LDS007.03.T08
R G B	IP20	MEDIUM	INTEGRATED	03.LDS007.03.T25
R G B	IP20	WIDE	INTEGRATED	03.LDS007.03.T40
R G B	IP20	VERY WIDE	INTEGRATED	03.LDS007.03.TVW

	ACCESSORIES	
	DESCRIPTION	CODE
Extension cables with connectors	Extension Cable with M/F M16 9-pole connectors, 5 m	03.LA.121.05
for DELTA 8 RGB B	Extension Cable with M/F M16 9-pole connectors, 10 m	03.LA.121.10
	Extension Cable with M/F M16 9-pole connectors, 20 m	03.LA.121.20
	Extension Cable with M/F M16 9-pole connectors, 30 m	03.LA.121.30
	Extension Cable with M/F M16 9-pole connectors, 50 m	03.LA.121.50
	Cable for DELTA B, 9xAWG22	0509C085
	9-pin M16 IP67 connector for Delta B, Male	0508B105
	9-pin M16 IP67 connector for Delta B, Female	0508B106
	9-pin connector for Delta B, Female	0508B064
Lenses sets	Lenses set Spot	03.LK.021
	Lenses set Medium flood	03.LK.022
	Lenses set Wide flood	03.LK.023
	Reflector Very wide flood	03.LK.020
Flight cases	Flight-case for 1 DELTA	0521C029
	Flight-case with wheels for 2 DELTA	0521C030
DMX cables	DMX cable	0509C039

	ACCESSORIES	
	DESCRIPTION	CODE
Safety wires / fixed installation sets	Safety wire (3mm x 60 cm); ring spring catch; max. load 60Kg	0521A010
	Set for fixed installation on ground or wall	03.LK.007
Clamps	"C" clamp G60 black; max. load 50Kg	0521A004
	"C" clamp G60 chrome; max. load 50Kg	0521A004.20
	"C" clamp GQUICK with "Fast Lock" connection 1/4 turn; max. load 80Kg	0521A014
	Professional "C" Clamp G100 black; max. load. 200Kg	0521A015
	OMEGA Clamp with "Fast Lock" connection 1/4 turn; adaptor for any clamp	02K00467.1
Power supply for DELTA 8 RGB B HEAD	Z40 power supply / control unit for four DELTA 8 RGB B HEAD units; rack mountable-2U	03.LA.120
IR remote controls / Wireless DMX	IR remote control	0514L008
receiver cards / software upgrade interfaces	Wireless DMX receiver card for DELTA range	03.LA.012
- Internaces	Outdoor IP65 2-dBi antenna: omnidirectional, radiation (HxV) 360°x360°, distance: 500 mt. approx.	0508A040
	RED BOX software upgrade interface	03.LA.008
Barndoors	Barndoor for DELTA, metal black	03.LA.057

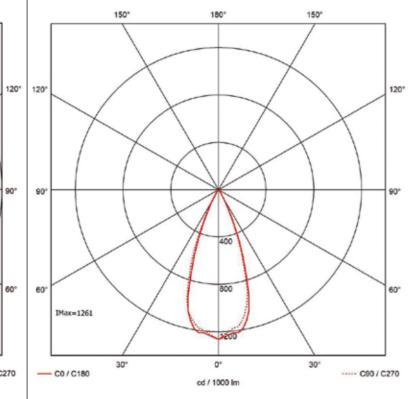
Spot lenses

40

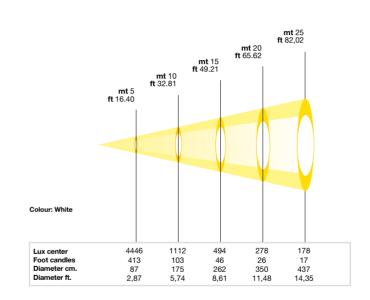


Beam Angle= 8,0° Beam Angle= 6,9°

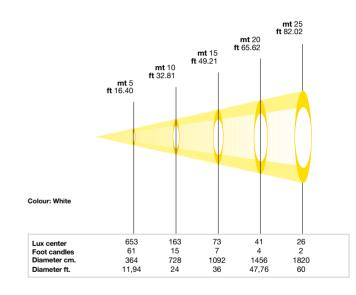
Wide flood lenses



Spot lenses



Wide flood lenses



Beam Angle= 27,2°

DELTA 8 WHITE



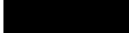
The DELTA 8 WHITE is a colour changer with LED technology, available in four models: **DELTA 8 WHITE R**: motorized movement of the light body on horizontal and vertical axes. **DELTA 8 WHITE B**: light body detachable from base (max distance 100m). **DELTA 8 WHITE B HEAD**: light body only, complete with adjustable bracket. **DELTA 8 WHITE S**: light body with tilting movement, for inset ceiling installation. DELTA 8 WHITE light source is composed of 108 P4 LEDs (72 White, 36 Amber); luminous flux is 16.000 Lumens; luminosity is 5.292 Lux at 5 m. The DELTA WHITE models fit perfectly various architectural lighting applications where the generation of different colours is not needed, while white light must have well defined and controllable features. The amber and white LEDs distribution pattern guarantees regular and uniform projection on surfaces. White colour temperature can be varied over a linear range from 2800°K to 6500°K, passing progressively from warmer tones to cooler ones. It is also possible to save and recall different personalized whites.

Four interchangeable lens fittings are available for each model: Spot, Medium Flood, Wide Flood and Very Wide Flood. These four lenses offer different aperture angles for the light beam, allowing DELTA WHITE to be used at varying distances from the surfaces to be coloured.

FINISHES

140 ..

White



Black

TECHNICAL SPECIFICATIONS

LED technology

108 x P4 LEDs (72 White, 36 Amber) Luminous flux: 16.000 Lumens Luminosity at 5 m: 5.292 Lux LEDs average lifespan: 100.000 hours

Colour temperature variable on a linear range (2800°K ÷ 6500°K) No infrared emission; no ultraviolet emission

Optical units

4 different lenses sets that can be interchanged by users are available (Spot, Medium flood, Wide flood, Very wide flood)

User interface DELTA 8 WHITE R

Colour OLED display; infrared remote control

DELTA 8 WHITE B/B HEAD/SLED display

Independent operation

Fully programmable via built-in user interface
Master or Slave capability
(chains of up to 32
interconnected units)
Programmable automated
playback (7-day schedule)
(DELTA 8 WHITE R)

Remote control

Remotely controlled by cable or wireless
USITT DMX 512 serial digital protocol (reception / transmission)
15 DMX channels (DELTA 8 WHITE R)
9 DMX channels (DELTA 8 WHITE B / B HEAD / S)

Protection

IP65 protection level (R/B/B HEAD versions) IP20 protection level (S version)

Head movements (horizontal / vertical axes)

DELTA 8 WHITE R: Motorized movement of the head on 2 axes (320° horizontal /160° vertical)
DELTA 8 WHITE B: manual movement of the head DELTA 8 WHITE B HEAD: adjustable bracket
DELTA 8 WHITE S: tilting movement (+/- 13°)

Power supply

Full range AC 90-260V, 50-60Hz power supply Power consumption: *90 V - 2,1 A - 190 W *120 V - 1,58 A - 190 W *230 V - 0,83 A - 190 W *260 V - 0,73 A - 190 W Z40 power supply / control for four DELTA 8 WHITE B HEADs; rack mountable (2 U)

Thermal

Operating ambient temperature -10° / 40°

Weight

24 Kg (DELTA 8 WHITE R) 18 Kg (DELTA 8 WHITE B) 9 Kg (DELTA 8 WHITE B HEAD) 14,5 Kg (DELTA 8 WHITE S)



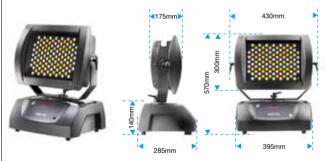


Tele Genova, Italy



LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
$(\mathbf{w})(\mathbf{w})$	بب		INTEGRATED	03.LDR007.03.W08
W W A	7IP65	SPOT	INTEGRATED	03.LDR007.W08
	بب		INTEGRATED	03.LDR007.03.W25
(w) (w) A	P65	MEDIUM	INTEGRATED	03.LDR007.W25
	بب		INTEGRATED	03.LDR007.03.W40
(w) (w) (A)	P65	WIDE	INTEGRATED	03.LDR007.W40
	بب		INTEGRATED I	03.LDR007.03.WVW
(w) (w) (A	IP65	VERY WIDE	INTEGRATED	03.LDR007.WVW

DELTA 8 WHITE B



	LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
(w	W (W)	<u> </u>		INTEGRATED	03.LDB130.03.W08
_ W	(W) (A)	/IP65	SPOT	INTEGRIALES	03.LDB130.W08
(w	(W) (A	7		INTEGRATED	03.LDB130.03.W25
1		P65	MEDIUM	INTEGRATED	03.LDB130.W25
(NA) (w) (A	<u> </u>		INTEGRATED	03.LDB130.03.W40
(w	(W) (A)	P65	WIDE	INTEGRATED	03.LDB130.W40
		بيب		INTEGRATED	03.LDB130.03.WVW
(w	(W) (A)	P65	VERY WIDE	INTEGRATED	03.LDB130.WVW

DELTA 8 WHITE B HEAD



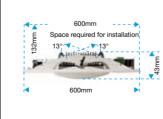
	LEDS	IP RATE	LENSES	POWER SUPPLY	FINISH / CODE
	(W) (A)	بب		EXTERNAL	03.LDB131.03.W08
	(W) (W) (A)	/IP65	SPOT	EXIERNAL	03.LDB131.W08
		بريد			03.LDB131.03.W25
	(w) (w) (A)	/IP65	MEDIUM	EXTERNAL	03.LDB131.W25
		بريد	EVTER		03.LDB131.03.W40
	(w) (w) (A)	/IP65	WIDE	EXTERNAL	03.LDB131.W40
	W W	بب		=V===	03.LDB131.03.WVW
	(w) (w) (A)	IP65	VERY WIDE	EXTERNAL	03.LDB131.WVW

Z40



	FINISH / CODE
Z40 Power Supply / LED Controller for 4 DELTA B HEAD units	03.LA.120

DELTA 8 WHITE S





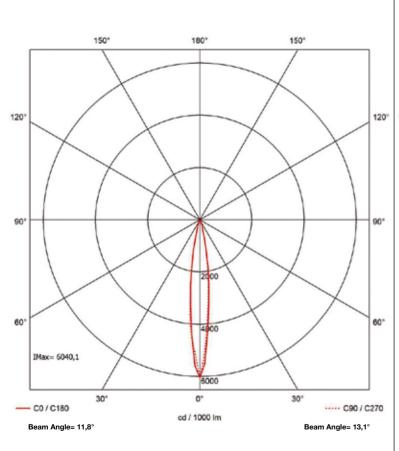
LEDS	IP RATE	LENSES	POWER SUPPLY	CODE
W W A	IP20	SPOT	INTEGRATED	03.LDS007.03.W08
W W A	IP20	MEDIUM	INTEGRATED	03.LDS007.03.W25
W W A	IP20	WIDE	INTEGRATED	03.LDS007.03.W40
W W A	IP20	VERY WIDE	INTEGRATED	03.LDS007.03.WVW

	ACCESSORIES	
	DESCRIPTION	CODE
Extension cables with connectors	Extension Cable with M/F M16 9-pole connectors, 5 m	03.LA.121.05
for DELTA 8 WHITE B	Extension Cable with M/F M16 9-pole connectors, 10 m	03.LA.121.10
	Extension Cable with M/F M16 9-pole connectors, 20 m	03.LA.121.20
	Extension Cable with M/F M16 9-pole connectors, 30 m	03.LA.121.30
	Extension Cable with M/F M16 9-pole connectors, 50 m	03.LA.121.50
	Cable for DELTA B, 9xAWG22	0509C085
	9-pin M16 IP67 connector for Delta B, Male	0508B105
	9-pin M16 IP67 connector for Delta B, Female	0508B106
	10-pin connector for Delta B, Female	0508B064
Lenses sets	Lenses set Spot	03.LK.021
	Lenses set Medium flood	03.LK.022
	Lenses set Wide flood	03.LK.023
	Reflector Very wide flood	03.LK.020
DMX cables	DMX cable	0509C039

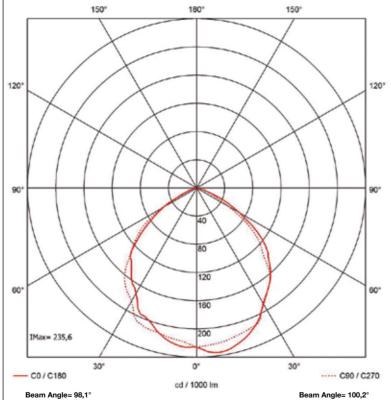
	ACCESSORIES	
	DESCRIPTION	CODE
Flight cases	Flight-case for 1 DELTA	0521C029
	Flight-case with wheels for 2 DELTA	0521C030
Safety wires / fixed installation sets	Safety wire (3mm x 60 cm); ring spring catch; max. load 60Kg	0521A010
	Set for fixed installation on ground or wall	03.LK.007
Clamps	"C" clamp G60 black; max. load 50Kg	0521A004
	"C" clamp G60 chrome; max. load 50Kg	0521A004.20
	"C" clamp GQUICK with "Fast Lock" connection 1/4 turn; max. load 80Kg	0521A014
	Professional "C" Clamp G100 black; max. load. 200Kg	0521A015
	OMEGA Clamp with "Fast Lock" connection 1/4 turn; adaptor for any clamp	02K00467.1
Power supply for DELTA 8 WHITE B HEAD	Z40 power supply / control unit for four DELTA 8 RGB B HEAD units; rack mountable-2U	03.LA.120
IR remote controls / Wireless DMX receiver cards / software upgrade interfaces	IR remote control	0514L008
	Wireless DMX receiver card for DELTA range	03.LA.012
	Outdoor IP65 2-dBi antenna: omnidirectional, radiation (HxV) 360°x360°, distance: 500 mt. approx.	0508A040
	RED BOX software upgrade interface	03.LA.008
Barndoors	Barndoor for DELTA, metal black	03.LA.057

DELTA 8 WHITE

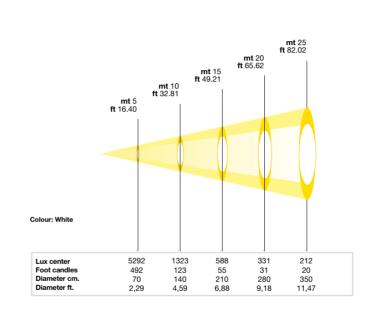
Spot lenses



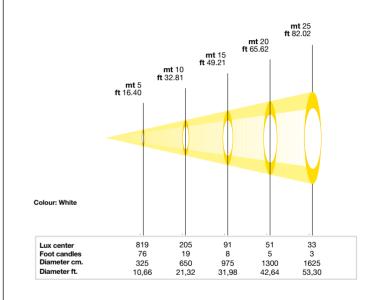
Wide flood lenses







Wide flood lenses







0517M061.GB



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ISO 9001:2008

D.T.S. quality system is certified to the ISO 9001:2008 standard



D.T.S. products are designed and manufactured at the D.T.S. plants in Italy



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